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Title:
Perfect score:
Sequence:
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Maximum DB seq length: 200000000
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1266.5
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Gapop 10.0 , Gapext 0.
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1858
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1: /cgn2_6/ptodata/1/laa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/laa/6B_COMB.pep:*

3: /cgn2_6/ptodata/1/laa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/laa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/laa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/laa/backfiles1.pep:*
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Copyright (c) 1993 - 2003 Compuger Ltd.
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US-09-564-595D-33

US-09-706-968-2

US-09-457-066-43

US-09-564-595D-57

US-09-564-595D-57

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US-09-564-595D-6-37

US-09-564-595D-6-37

US-09-564-595D-6-37

US-09-564-595D-53

US-09-564-595D-53

US-09-564-595D-53

US-09-540-224-4

US-09-540-224-4

US-09-540-274-4

US-09-540-274-4

US-09-540-274-4

US-09-540-274-4

US-09-540-274-4

US-09-540-274-4

US-09-540-274-4

US-09-540-274-4

US-09-540-274-4

US-09-385-395C-2

US-09-285-395C-2

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US-09-457-066-2
US-09-265-686-2
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153	154	154	156	156	158.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	163	163	163.5	164.5
8.2	8.3	8.3	8.4	8.4	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.8	8.8	8.8	8.9
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. US-09-032-523-2	US-08-839-008-9	US-08-839-008-2	US-09-850-048A-4	US-08-872-757-4	US-09-341-461-30	US-08-936-135-16	US-08-936-135-14	US-08-936-135-6	US-08-936-135-12	US-08-936-135-10	US-08-936-135-8	US-08-936-135-24	US-08-936-135-22	US-09-116-473-2	US-09-374-135-6	US-09-116-473-4	US-08-936-135-20
Sequence 2	Sequence 9	Sequence 2	Sequence 4	Sequence 4	Sequence 30	Sequence 16	Sequence 1	Sequence 6,	Sequence 12	Sequence 10	Sequence 8,	Sequence 24	Sequence 22	Sequence 2	Sequence 6	Sequence 4	Sequence 20
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ALIGNMENTS

Qy 301 VTKKYHEVLQLRPKTGVRGLHH	Qy 241 LTEEVRLYSCTPRNFSVSIRES	Oy 181 LPLDLLNNAITAFSTLEDLIRY	Oy 121 GRWCGSGTVPGKQISKGNQIRJ 	Qy 61 PRPPHTYPRNTVLVWRLVAVEE	Oy 1 MSLFGLLLVTSALAGQRRGTQD	Query Match 99.6%; Sc Best Local Similarity 99.4%; Pr Matches 343; Conservative 2;	RESULT 1 US-09-040-220D-2 ; Sequence 2, Application US/09040220D ; Patent No. 6391311 ; GENERAL INFORMATION: ; APPLICANT: Ferrara, Napoleone ; APPLICANT: Kuo, Sophia S. ; TITLE OF INVENTION: NOVEL POLYPEPTIDES HAV ; TITLE OF INVENTION: ENDOTHELIAL CELL GROW ; TITLE OF INVENTION: PROTEIN 1 AND NUCLEIC ; TITLE OF INVENTION: PROTEIN 1 AND NUCLEIC ; TITLE OF INVENTION: PROTEIN 1 AND PROCESSES FOR THE ; FILE REFERENCE: P1122 ; CURRENT APPLICATION NUMBER: US/09/040,220D ; CURRENT FILING DATE: 1998-03-17 ; NUMBER OF SEQ ID NOS: 8 ; SEQ ID NO 2 ; LENGTH: 345 ; TYPE: PRT ; ORGANISM: Human US-09-040-220D-2
VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG 345	LTEEVRLYSCTPRNFSVSIKEELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK 300	LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL 240 	GRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMPQFTEAVSPSVLPPSA 180	PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEBPSDGTIL 120	TSALAGOR	99.6%; 99.4%; vative	Napoleone NAPOLE POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THEIR USES, AND PROCESSES FOR THEIR PRODUCTION NUMBER: US/09/040,220D 1998-03-17 5: 8

Sequence

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GENERAL INFORMATION:
APPLICANT: Ferrara, Napoleone
APPLICANT: Kuo, Sophia S.
TITLE OF INVENTION: POLYPEPTIDES HOMOLOGOUS TO VEGF AND EMPI
                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/09265686 Patent No. 6455283
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                                                                              CURRENT APPLICATION NUMBER: US/09/265,686
CURRENT FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: US 09/040,220
PRIOR FILING DATE: 1998-03-17
PRIOR APPLICATION NUMBER: US 09/184,216
PRIOR PILING DATE: 1998-11-02
NUMBER OF SEQ ID NOS: 8
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CURRENT APPLICATION NUMBER: US/09/457,066
CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 3.0
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APPLICANT: Hart, Charles B.
APPLICANT: Piddington, Christopher
APPLICANT: Sheppard, Paul o.
APPLICANT: Sheppard, Faul o.
APPLICANT: Shemaker, Kimberly B.
                                                                 SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                             09-265-686-2
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TYPE: PRT
ORGANISM: Poman
                                         ENGTH: 345
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Pred. No. 6.7e-193;
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LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
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Patent No. 6468543
GENERAL INFORMATION:
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EARLIER FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 3.0
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CURRENT FILING DATE: 2000-03-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Gilbertson, Debra G.
APPLICANT: Hart, Charles B.
ITTLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
ITTLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
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LPLDLLNNAITAFSTLEDLIRYLEPERWOLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL 240
                                                                                                                                                                                                                                                                                                                                                             Conservative
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Pred. No. 6.7e-193;
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Pred. No. 6.7e-193
                                                                                                                                                                                                                                                                                                                                                           Mismatches
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RESULT 6
US-09-706-968-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/564,595D CURRENT FILING DATE: 2000-05-03 PRIOR APPLICATION NUMBER: US 09/304,216 PRIOR FILING DATE: 1999-05-03 PRIOR PILING DATE: 1999-05-03 PRIOR PILING DATE: 1999-11-10 PRIOR PILING DATE: 1999-11-10 PRIOR APPLICATION NUMBER: US 60/180,169 PRIOR PILING DATE: 2000-02-04
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                                                                                                    Sequence 2, Application US/09706968 Patent No. 6528050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 343;
                                                                              GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 33
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                                                        APPLICANT: Gao, Zeren
                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Sheppard, Paul O.
IIILE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
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etent No. 6495668
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Hart, Charles E.
Piddington, Christopher S
Sheppard, Paul O.
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Pred. No. 6.7e-193;
2; Mismatches 0;
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                   SEQ ID NO 43
                                                                                                                                                                                                                                                                                                                                                        Sequence 43,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches 343;
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                      Patent No.
                                NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                       APPLICANT: Hart, Charles E.
APPLICANT: Piddington, Christopher
APPLICANT: Sheppard, Paul O.
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CURRENT FILING DATE: 2000-11-06
PRIOR APPLICATION NUMBER: US/09/541,752
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 50
                                                                            CURRENT APPLICATION NUMBER: US/09/457,066
CURRENT FILING DATE: 1999-12-07
                                                                                                                       FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: West, James W.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
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                                                                                                                                                                              APPLICANT: Shoemaker, Kimberly B.
APPLICANT: Gilbertson, Debra G.
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ORGANISM: Homo sapiens
LENGTH: 345
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                                                                                                                                         TILE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
                                                                                                                                                                                                                                                                                                            INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                        Application US/09457066
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Pred. No. 6.7e-193;
2; Mismatches 0;
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120

60 60

; TYPE: PRT ; ORGANISM: Mus musculus US-09-457-066-43

Query Match
Best Local Similarity
Matches 299; Conserv

Conservative

89.6**%**; 86.7**%**;

Score 1664; DB 4; Pred. No. 1.5e-172;

Length 345;

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Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
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APPLICANT: Hart, Charles E.
APPLICANT: Sheppard, Paul O.
APPLICANT: Sheppard, Paul O.
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PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR FILING DATE: 1999-05-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Mus musculus
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les 299; Conserv
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J.TEEVRLYSCTPRNFSVSIREELKRIDTIFWPGCLLVKR.CGGNCACCLHNCNECQCVPSK 300
                                            LSLDLLNNAVTAFSTLEELIRYLEPDRWQVDLDSLYKPTWQLLGKAFLYGKKSKVVNLNL 240
                                                              LPLDLLANAITAFSTLEDLIRYLEPERWQLDLEDLYRPIWQLLGKAFVFGRKSRVVDLNL 240
                                                                                                                               GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS 180
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86.7%; Pred. No. 1.5e-172;
Live 28; Mismatches 18;
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US-09-564-595D-54
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US-09-706-968-43
Sequence 54, Application US/09564595D Patent No. 6495668 GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/706,968
CURRENT FILING DATE: 2000-11-06
PRIOR APPLICATION NUMBER: US/09/541,752
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Piddington, Christopher APPLICANT: Sheppard, Paul O. APPLICANT: Shoemaker, Kimberly E.
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APPLICANT: Hart, Charles B.
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TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
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86.7%; Pred. No. 1.5e-172;
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APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles E.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4

FILE REFERENCE: 99-19

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US-09-564-595D-57
                                                         ; OTHER INFORMATION: US-09-564-595D-57
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SOFTWARE: PARCE
SEQ ID NO 54
"FNGTH: 302
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Query Match
Best Local Similarity
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PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR EILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
                                                                                                                                                   NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                          PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/564,595D
                                                                                                                                                                                                        NUMBER OF SEQ ID NOS:
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                                                                                            ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                 TYPB: PRT
                                                                                                                                                                                                                                                                                                                                                                             LE REFERENCE: 99-19
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PLICANT: Sheppard, Paul O.
TLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
                                                                                                                                                                                                                                                                                                                                      RRENT APPLICATION NUMBER: US/09/564,595D RRENT FILING DATE: 2000-05-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCIC 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AFVFGRKSR-VDLDRLNDDAKRYSCTFRNYSVNIREELKLANVVFFFRCLLVQRCGGNCG
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78.9%;
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Pred. No. 9.6e-13
Score 1266.5; DB 4;
Pred. No. 2:2e-129;
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RESULT 12
US-09-564-595D-55
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Best Local :
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SEQ ID NO 55
LENGTH: 316
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/564,595D CURRENT FILING DATE: 2000-05-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Gilbert,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 99-19
                                                                                                                                                                                                                                                                                                                                 FEATURE: OTHER INFORMATION: fusion polypeptide
                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NT FILING DATE: 2000-05-03
APPLICATION NUMBER: US 09/304,216
FILING DATE: 1999-05-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       107 DEVEVEBBSDGT--ILGRWCGSGTVBGKQISKGNQIRIREVSDEYBBSBBGFCIHYNIVM
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LDLEDLYRPTWQLLGKAFVFGRKSRVVDLNLLTEEVRLYSCTFRNFSVSIREELKRTDTI
                                                  QFTEAETIWESVTSSISGVSYNSPSVTDPT-LIADALDKKIAEFDTVEDLLKYFNPESWQ
                                                                                                                     YDFVEVEEPSDGTILGRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMP
                                                                                                                                                    YDFYEVEBPSDGTILGRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMP 165
                                                                                                                                                                                                         HERIITVSTNGSIHSPRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICK 105
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                                                                                                                                                                                     HERIITVSTNGSIHSPRPPHTYPRNTVLVWRLVAVEENVWIQLTPDERFGLEDPEDDICK
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Pred. No. 5.2e-111;
                                                                       -SPSVLPPSALPLDLLNNAITAFSTLEDLIRYLEPERWQ
                                                                                                                                                                                                                                                    Mismatches
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RESULT 14
US-09-457-066-37
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ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: fusion polypeptide
-09-564-595D-56
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PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR PELICATION NUMBER: US 60/164,463
PRIOR PILING DATE: 1999-11-10
PRIOR PELICATION NUMBER: US 60/180,169
PRIOR PELICATION NUMBER: US 60/180,169
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR PILING DATE: 2000-02-04
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mes 204; Conservative
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                                                                                                                                                                                                                                                                                                              ERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNLLTEEVRLYSCTFRNFSVSIRBELKR 265
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                                                                                                                                                                                                                   TDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSKVTKKYHEVLQLRPKTGVRGLHKSLT 325
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                                                                                               DVALEHHBECDCVCRGSTGG
                                                                                                                                            DVALEHHEECDCVCRGSTGG 345
                                                                                                                                                                                                                                                                                   BSWOEDLENMYLDTPRYRGRSY-HDRKSKVVDLNLLTEEVRLYSCTPRNFSVSIREELKR 237
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US-09-457-066-37
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CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 37
LENGTH: 370
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 39.9%;
Best Local Similarity 43.6%;
                   SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                          Sequence 2, Application US/09540224 Patent No. 6468543
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                                                               CURRENT APPLICATION NUMBER: US/09/540,224
CURRENT FILING DATE: 2000-03-31
EARLIER APPLICATION NUMBER: US 60/180,169
EARLIER FILING DATE: 2000-02-04
NUMBER OF SEO ID NOS: 9
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                                                                                                                                                                                                       APPLICANT: Hart, Charles B.
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING
                                                                                                                                                                                                                                                          APPLICANT: Gilbertson, Debra G. APPLICANT: Hart, Charles B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3 FILE REFERENCE: 98-60
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APPLICANT: Piddi
                                                                                                                                                                                     FILE REFERENCE: 00-28
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ENGTH: 370
                                                                                                                                                                                                                                                                                                         INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CDCVC 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KRCGGNCACCLHNCNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEHHEE
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Sequence 37, Application US/09457066 Patent No. 6432673 GENERAL INFOPMATION:

; ORGANISM: Homo sapiens US-09-540-224-2

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Search completed: December 12, 2003, 18:50:51 Job time : 16 secs

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ALIGNMENTS

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Qy 61 PRFPHTYPRNTVLVWRLVAVSENVWIQLTFDERFGLEDPEDDICKYDFVEVBEPSDGTIL	Qy 1 MSLFGLLLVTSALAGQRRGTQAESNLSSKFQFSSNKEQNGVQDÞQHERIITVSTNGSIHS	Query Match 100.0%; Score 1858; DB 9; Length 345; Best Local Similarity 100.0%; Pred. No. 3.6e-179; Matches 345; Conservative 0; Mismatches 0; Indels 0;	US-09-818-943-1 US-09-818-943-1 Sequence 1, Application US/09818943 Patent No. US2002049987A1 GENERAL INFORMATION: APPLICANT: ERIKSSON, Ulf APPLICANT: LI, Xuri APPLICANT: PONTEN, Annica APPLICANT: PONTEN, Annica APPLICANT: LI, Hong APPLICANT: LI, Hong TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATE! TITLE OF INVENTION: (PDGF-C) AND USES THEREOF FILE REFERENCE: 1064/48487 CURRENT APPLICATION NUMBER: US/09/818,943 CURRENT APPLICATION NUMBER: US/09/818,943 CURRENT APPLICATION NUMBER: 08/01/92,507 PRIOR APPLICATION NUMBER: 08/01/92,507 PRIOR PILING DATE: 2001-03-28 NUMBER OF SEQ ID NOS: 7 SOFTWARE: Patentin version 3.0 SEQ ID NO 1 LENGTH: 345 TYPE: PRT CRCANISM: Homo sapiens
PVEVEEPSDGTIL 120	ERIITVSTNGSIHS 60	. u	NG PLATELET-DERIVED GROWTH

185 185 185 185 185

US-09-795-006A-149
US-09-798-25A-488
US-09-978-2974-488
US-09-978-192A-488
US-09-978-192A-488
US-09-978-189-488
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121 GRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMPQFTEAVSPSVLPPSA 180

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JS-09-852-209A-3
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LENGTH: 345
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ORGANISM: Homo sapiens
09-852-209A-3
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RRENT FILING DATE: 2001-05-10
RRENT PILING DATE: 09/410,349
RROR APPLICATION NUMBER: 09/410,349
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PELICANT: OESTWAN, ARNE
PELICANT: HELDIN, CARI-Henrik
PELICANT: BETSHOLTZ, Christer
(TLB OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C,
(TLB OF INVENTION: THEREFOR, AND USES THEREOF
(TLB REFERENCE: 09-410349-Eriksson et al-1064-4474))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/113,002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/144,022
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UUTELA, Marko
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CURRENT FILING DATE: 2000-03-04
PRIOR APPLICATION NUMBER: US 60/107,852
PRIOR FILING DATE: 1998-11-10
PRIOR PPLICATION NUMBER: US 60/113,997
PRIOR PILING DATE: 1998-12-28
PRIOR PILING DATE: 1998-12-28
PRIOR APPLICATION NUMBER: US 60/150,604
PRIOR APPLICATION NUMBER: US 60/157,108
PRIOR APPLICATION NUMBER: US 60/157,108
PRIOR APPLICATION NUMBER: US 60/157,108
PRIOR PILING DATE: 1999-10-04
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Publication No.
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PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: US 09/438,046
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TITLE OF INVENTION: PLATELET DERIVED GROWTH
FILE REFERENCE: 1064/44833C2
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NAME/KEY: misc feature
OTHER INFORMATION: Amino acid sequence for PDGF-C
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ORGANISM: Homo sapiens
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APPLICATION NUMBER: US 09/691,200
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UUTELA, Marko
ALITALO, Kari
OESTMAN, Arne
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LTEEVRLYSCTPRNFSVSIRBELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK 300
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APPLICANT: ALITALO, KARÍ
APPLICANT: OESTMAN, ARNE
APPLICANT: OESTMAN, ARNE
APPLICANT: HELDIN, CARÍ-HENRÍK
TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNI
FILE REFERENCE: 1064/44833C2
CURRENT APPLICATION NUMBER: US/10/260,539
CURRENT FILING DATE: 2002-10-01
PRIOR APPLICATION NUMBER: US/10/086,623
PRIOR PILING DATE: 2000-03-04
PRIOR PILING DATE: 1998-11-10
PRIOR PILING DATE: 1998-11-10
PRIOR PILING DATE: 1998-11-10
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PEATURE:
NAME KEY: misc feature
OTHER INFORMATION: Amino acid sequence for PDGF-C
-10-260-539-32
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PRIOR FILING DATE: 1998-12-28
PRIOR APPLICATION NUMBER: US 60/150,604
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APPLICATION NUMBER: US 09/438,046
FILING DATE: 1999-11-10
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UUTELA, Marko
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Pred. No. 3.6e-179;
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APPLICANT: OESTMAN, ARNE
APPLICANT: OESTMAN, ARNE
APPLICANT: HELDIN, CGAT1-Henrik
APPLICANT: BETSHOLTZ, Christer
TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C,
TITLE OF INVENTION: THEREFOR, AND USES THEREOP
FILE REFERENCE: 09-410349-Eriksson et 11064-44740
CURRENT APPLICATION NUMBER: US/10/131,600
CURRENT FILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US/09/410,349
PRIOR APPLICATION NUMBER: US/09/410,349
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TYPE: PRT
ORGANISM: Homo sapiens
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RAPPLICATION NUMBER: 60/108,109

OR FILING DATE: 1998-11-12

OR APPLICATION NUMBER: 60/110,749

OR FILING DATE: 1998-12-03

OR APPLICATION NUMBER: 60/113,002

OR FILING DATE: 1998-12-18

OR FILING DATE: 1998-12-18
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FILING DATE: 1999-05-21
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VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG 345
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LEB, Xuri
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UUTELA, Marko
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Pred. No. 3.6e-179;
O; Mismatches 0;
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Patent No. US20020081700A1
GENERAL INFORMATION:
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Patent No. US20020004225A1
GENERAL INFORMATION:
APPLICANT: Hart, Charles B.
APPLICANT: Gilbertson, Debta G.
APPLICANT: Gilbertson, Debta G.
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
TITLE OF INVENTION: LIGAMENT AND CARTILAGE
                                                                                                                                              SEQ ID NO
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LENGTH: 345
  Best Local Similarity
                        Query Match
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CURRENT FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PastSEQ for Windows Version 3.0
                                                                                                                                                                                                      CURRENT FILING DATE: 2001-08-07
PRIOR APPLICATION NUMBER: US 60/223,164
PRIOR FILING DATE: 2000-08-07
                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/923,995
CURRENT FILING DATE: 2001-08-07
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                                                                                                                                                                                                                                                                                     APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SNAKE VENOM POLYPEPTIDE ZSNK1
FILE REFERENCE: 00-47
                                                                              TYPE: PRT
ORGANISM: Homo
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9-823-033-2
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99.6%;
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Pred. No. 1.8e-178;
2; Mismatches 0;
Score 1851; DB 9;
Pred. No. 1.8e-178;
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-006A-149
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                                                                                                                                                                                                                                                                                                                       Matches 343;
                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 149, Application Patent No. US20020151680A1
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NUMBER OF SEQ ID NOS: 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 28967/35977B
CURRENT APPLICATION NUMBER: US/09/795,006A
CURRENT FILING DATE: 2001-02-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Alitalo et al
TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING
TITLE OF INVENTION: ENDOTHELIAL GROWTH FACTOR DNAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/185,205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/205,331
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241 LTEEVRLYSCTPRNPSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK
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                                                                     LPLDLLNNATTAFSTLEDLTRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL
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Pred. No. 1.8e-178;
2; Mismatches 0;
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US-09-978-295A-488

; Sequence 488, Application US/09978295A

; Patent No. US20020156006A1
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ITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic ITLE OF INVENTION: Acids Encoding the Same
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FILING DATE: 2001-07-30
APPLICATION NUMBER: 60/062250
                                                                                                                                                                                                                             APPLICATION NUMBER: 60/077641
                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/064249 FILING DATE: 1997-11-03
                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1997-10-17
                                                               APPLICATION NUMBER: 60/078936
                                                                                                                               APPLICATION NUMBER: 60/078004
                                                                                                                                                APPLICATION NUMBER: 60/077791
FILING DATE: 1998-03-12
                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/077632
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                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/077450
                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/066364
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   APPLICATION |
                              PILING DATE: 1998-0: APPLICATION NUMBER:
                                                                                FILING DATE: 1998-03-20
                                                                                              APPLICATION NUMBER: 60/078886
                                                                                                               FILING DATE: 1998-03-13
                                                                                                                                                                                              APPLICATION NUMBER: 60/077649
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Baker Kevin P.
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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Gerritsen, Mary E.
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NUMBER: 60/078939
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FILING DATE: 1998-04-2 APPLICATION NUMBER: 60/082796 FILING DATE: 1998-04-23 APPLICATION NUMBER: 60/082804 APPLICATION NUMBER: 60/079294 FILING DATE: 1998-03-25 APPLICATION NUMBER: 60/082797 FILING DATE: APPLICATION NUMBER: APPLICATION NUMBER: 60/082569 APPLICATION NUMBER: 60/082568 FILING DATE: 1998-04-21 FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/080328
FILING DATE: 1998-04-01 FILING DATE: FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080327 APPLICATION NUMBER: 60/080165 FILING DATE: 1998-03-27
APPLICATION NUMBER: 60/079920 APPLICATION NUMBER: 60/079663 APPLICATION NUMBER: 60/079656 FILING DATE: 1998-03-26 FILING DATE: 1998-04-2 APPLICATION NUMBER: 60/082704 APPLICATION NUMBER: 60/081838 FILING DATE: APPLICATION NUMBER: 60/081817 APPLICATION NUMBER: 60/081203 APPLICATION NUMBER: 60/081195 FILING DATE: 1998-04-08 APPLICATION NUMBER: 60/081049 APPLICATION NUMBER: 60/081070 APPLICATION NUMBER: 60/080334 FILING DATE: 1998-04-01 APPLICATION NUMBER: 60/080333 APPLICATION NUMBER: 60/080194 FILING DATE: 1998-03-3 FILING DATE: 1998-03-3 APPLICATION NUMBER: 60/080107 APPLICATION NUMBER: 60/080105 APPLICATION NUMBER: 60/079923 APPLICATION NUMBER: 60/07978 APPLICATION NUMBER: 60/079728 FILING DATE: 1998-03-27 FILING DATE: 1998-03-27 APPLICATION NUMBER: 60/079689 FILING DATE: 1998-03-27 APPLICATION NUMBER: 60/081952 PPLICATION NUMBER: 60/081819 PPLICATION NUMBER: 60/081955 ILING DATE: 1998-04-15 PPLICATION NUMBER: 60/081229 LING DATE: LING DATE: 1998-04-1 LING DATE: 1998-03-30 LING DATE: 1998-03-27 PLICATION NUMBER: 60/081071 LING DATE: 1998-04-01 LING DATE: 1998-03-30 PLICATION NUMBER: 60/079664 LING DATE: LING DATE: LING DATE: 1998-03-3 LING DATE: 1998-04-15 LING DATE: 1998-04-08 ING DATE ING DATE: ING DATE: 1998-04-08 NUMBER: 60/083336: 1998-04-27 NUMBER: 60/083322 1998-04-2 1998-04-15 1998-04-23 1998-04-2 1998-04-15 1998-04-09 1998-04-09 1998-04-08 60/082700

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DR FILING DATE: 1998-05-15
DR APPLICATION NUMBER: 60/085573
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APPLICATION NUMBER: 60/085579
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APPLICATION NUMBER: 60/083554
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APPLICATION NUMBER: 60/085700
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APPLICATION NUMBER: 60/084600
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APPLICATION NUMBER: 60/084639
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APPLICATION NUMBER: 60/084637
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APPLICATION NUMBER: 60/084366
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61 PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL 120
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/662250
PRIOR FILING DATE: 1997-110-17
PRIOR PRIOR DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
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CURRENT APPLICATION NUMBER: US/09/978,697
CURRENT FILING DATE: 2001-10-16
                                                                                                                                                                                                                                                                                                           APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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APPLICATION NUMBER: 60/066364
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                                                                           FILING DATE: 1998-03-10
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FILING DATE: 1997-11-13
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Gerritsen, Mary B.
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Pilvaroff,
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Desnoyers, Luc
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NUMBER:
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f, Ellen
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PRIOR PRIOR FILING DATE:
APPLICATION N APPLICATION NUMBER: 60/079786 FILING DATE: 1998-03-27 FILING DATE: 1998-03-27
APPLICATION NUMBER: 60/079663 PILING DATE: 1998-03-27 APPLICATION NUMBER: 60/079689 APPLICATION NUMBER: 60/081819 APPLICATION NUMBER: 60/081955 APPLICATION NUMBER: 60/081049 APPLICATION NUMBER: 60/080334 APPLICATION NUMBER: 60/080333 FILING DATE: 1998-04-01 FILING DATE: FILING DATE FILING DATE: APPLICATION I APPLICATION NUMBER: 60/080105 FILING DATE: 1998-03-27 FILING DATE: 1998-03-27 APPLICATION NUMBER: 60/079728 APPLICATION NUMBER: 60/079664 APPLICATION NUMBER: 60/079656 FILING DATE: 1998-03-26 APPLICATION NUMBER: 60/079294 APPLICATION NUMBER: 60/078910 FILING DATE: FILING DATE: APPLICATION 1 APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER: 60/081838 FILING DATE: 1998-04-15 APPLICATION NUMBER: 60/081952 FILING DATE: FILING DATE: APPLICATION NUMBER: 60/081817 FILING DATE: FILING DATE: APPLICATION NUMBER: 60/081229 FILING DATE APPLICATION NUMBER: 60/081203 FILING DATE APPLICATION APPLICATION FILING DATE: FILING DATE: APPLICATION NUMBER: 60/081070 FILING DATE: FILING DATE APPLICATION NUMBER: 60/080328 FILING DATE: APPLICATION NUMBER: 60/079923 FILING DATE: 1998-03-30 FILING DATE: APPLICATION NUMBER: 60/079920 FILING DATE: FILING DATE: APPLICATION NUMBER: 60/078939 FILING DATE: 1998-03-20 FILING DATE APPLICATION NUMBER: 60/078936 APPLICATION NUMBER: APPLICATION NUMBER: 60/078004 FILING FILING DATE NUMBER: 60/081195 : 1998-04-01 NUMBER: 60/080327 NUMBER: 60/080194 NUMBER: 60/080107 : 1998-04-21 NUMBER: 60/082569 : 1998-04-21 NUMBER: 60/081071 NUMBER: 60/080165 : 1998-03-11 NUMBER: 60/077791 1998-04-15 1998-04-15 1998-04-15 1998-04-09 1998-04-08 1998-04-08 1998-04-01 1998-03-31 1998-03-31 1998-03-3 1998-03-31 1998-03-30 1998-03-25 1998-03-20 1998-03-20 1998-03-20 1998-04-09 1998-04-08 1998-04-01 1998-03-12 1998-04-15 1998-04-08 1998-03-13 60/082568 60/078886

PRIOR APPLICATION NUMBER: 60 PILING DATE: 1998-05-1 FILING DATE: APPLICATION APPLICATION APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: 60/085323 APPLICATION NUMBER: 60/084643 FILING DATE: 1998-05-07 APPLICATION NUMBER: 60/084441 APPLICATION NUMBER: 60/084414 APPLICATION NUMBER: 60/084366 FILING DATE: 1998-05-05 APPLICATION NUMBER: 60/083499 FILING DATE: 1998-04-29 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083496 APPLICATION NUMBER: 60/083495 FILING DATE: 1998-04-23 APPLICATION NUMBER: 60/082796 APPLICATION NUMBER: FILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082704 FILING DATE: 1998-04-22 FILING DATE: FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/085582 FILING DATE: APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER: 60/085339 APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-05-07 APPLICATION NUMBER: FILING DATE: 1998-04-30 APPLICATION NUMBER: 60/083742 FILING APPLICATION NUMBER: 60/083500 APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER: 60/083558 FILING DATE: 1998-04-29 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083545 FILING DATE: 1998-04-29 PILING DATE APPLICATION NUMBER: 60/083392 FILING DATE: APPLICATION NUMBER: 60/083322 FILING DATE: FILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082700 FILING APPLICATION NUMBER: 60/083554 LING DATE: LING DATE: 1998-05-06 LING DATE: 1998-05-06 LING DATE: 1998-04-29 LING DATE: 1998-05-07 LING DATE: DATE: 1998-05-13 DATE: NUMBER: 60/084598: 1998-05-07 NUMBER: 60/085704 NUMBER: NUMBER: 60/083336 NUMBER: : 1998-04-29 NUMBER: 60/082804 1998-05-15 1998-05-13 1998-05-07 1998-05-15 1998-05-1 1998-05-07 1998-04-29 1998-04-29 1998-05-3 1998-5-07 1998-04-28 1998-04-27 60/085700 60/085573 60/085580 60/085579 60/085689 60/085338 60/084627 60/084600 60/084640 60/084637 60/083559 60/082797 60/084639

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PRIOR APPLICATION NUMBER: 60/085697
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630PLC9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR PILING DATE: 2001-07-30
PRIOR PILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING-DATE: 1997-10-17
                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LTEEVRLYSCTPRNPSVSIREELKRIDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LPLDLLNNAITARSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL 240
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                                                                                                                                                                                                                 Shelton, David L.
Stewarr, Timothy A.
Tumas, Daniel
Williams, P. Mickey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG 345
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                                                                                                                                                                                              Williams, P. Mic Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
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Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                           Kljavin, Ivar
Kuo, Sophia S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eaton, Dan
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                                                                                                                                                                                                                                                                                                                                 Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                        Wapier, Mary A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      illan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99.6%;
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Pred. No. 1.8e-178;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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DR APPLICATION NUMBER: 60/079689

DR FILING DATE: 1998-03-27

DR APPLICATION NUMBER: 60/079663

DR FILING DATE: 1998-03-27

DR APPLICATION NUMBER: 60/079728
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DR APPLICATION NUMBER: 60/078910
DR FILING DATE: 1998-03-20
DR APPLICATION NUMBER: 60/078939
DR FILING DATE: 1998-03-20
DR APPLICATION NUMBER: 60/079294
           FILING DATE: 1998-04-08
APPLICATION NUMBER: 60/081203
FILING DATE: 1998-04-09
APPLICATION NUMBER: 60/081229
FILING DATE: 1998-04-09
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APPLICATION NUMBER: 60/079786
FILING DATE: 1998-03-27
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FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/080328
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APPLICATION NUMBER: 60/080194
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APPLICATION NUMBER: 60/078936
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FILING DATE: 1998-03-12
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APPLICATION NUMBER: 60/080334
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APPLICATION NUMBER: 60/080333
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APPLICATION NUMBER: 60/081955
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1998-03-31

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FILING DATE: 1998-05-07
APPLICATION NUMBER: 60/084643
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APPLICATION NUMBER: 60/085339
FILING DATE: 1998-05-13
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APPLICATION NUMBER: 60/084639
FILING DATE: 1998-05-07
APPLICATION NUMBER: 60/084640
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APPLICATION NUMBER: 60/084366
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APPLICATION NUMBER: 60/08336
FILING DATE: 1998-04-27
APPLICATION NUMBER: 60/083322
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FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/082797
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FILING DATE: 1998-04-21
APPLICATION NUMBER: 60/082569
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APPLICATION NUMBER: 60/081819
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APPLICATION NUMBER:
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FILING DATE: 1998-05-07
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APPLICATION NUMBER: 60/084637
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APPLICATION NUMBER: 60/083558
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APPLICATION NUMBER: 60/082796
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FILING DATE: 1998-04-15
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FILING DATE: 1998-04-29
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Best Local Similarity
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FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085704
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FILING DATE: 1998-05-15
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FILING DATE:
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                                                                                                                                                                                                                           GRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSSEPGFCIHYNIVMPQFTBAVSPSVLPPSA
VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG 345
                VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG 345
                                                                                              LTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVFSK 300
                                                                                                                                                          LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL
                                                                                                                                                                                                                                                                                                  PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL
                                                                                                                                                                                                                                                                                                                                             MSLFGLLLLTSALAGQRQGTQABSNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHS
                                                                                                                                    LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL
                                                                                                                                                                                                       GRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSBPGFCIHYNIVMPQFTBAVSPSVLPPSA
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Pred. No. 1.8e-178;
2; Mismatches 0;
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240 180 180 120 120 60

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US-09-999-832A-488
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                                                          APPLICANT:
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                                                                                                                               Gerber, Hanspeter
Gerritsen, Mary B.
Goddard, Audrey
                                                                                                                                                                                                                                         Baker Kevin P.
Botstein, David
                                                                                 Gurney, Austin L.
Hillan, Kenneth J
                                                                                                        Godowski, Paul J.
Grimaldi, J. Christopher
                                                                                                                                                                                           Ferrara, Napoleon
Filvaroff, Ellen
                                                                                                                                                                                                                Desnoyers, Luc
Eaton, Dan
                        Paoni, Nicholas F
                                               Kuo, Sophia S.
Napier, Mary A.
                                                                       Kljavin,
                                                                                                                                                                                                                                                                                        Application US/09999832A
o. US20020192706A1
Margaret Ann
ton, David L.
                                     James
                                                                       Ivar
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RIOR APPLICATION NUMBER: 09/918585
RIOR FILING DATE: 2001-07-30
RIOR APPLICATION NUMBER: 60/662250
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ITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
ITLE OF INVENTION: Acids Encoding the Same
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FILING DATE: 1998-03-20
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FILING DATE: 1998-03-12
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FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/
FILING DATE: 1998-04-01
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APPLICATION NUMBER: 60/080333
                                                                                                                 FILING DATE: 1998-04-0
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                                                                                            APPLICATION NUMBER: 60/080328
                                                                                                                                    APPLICATION NUMBER: 60/080327
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                NUMBER: 60/080334
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DR APPLICATION NUMBER: 60/084637
R FILING DATE: 1998-05-07
DR APPLICATION NUMBER: 60/084639
DR FILING DATE: 1998-05-07
DR APPLICATION NUMBER: 60/084640
DR APPLICATION NUMBER: 60/084598
DR APPLICATION NUMBER: 60/084598 FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083558
FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083559 PILING DATE: 1998-04-15 APPLICATION NUMBER: 60/081817 APPLICATION NUMBER: 60/083500 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083742 APPLICATION NUMBER: 60/083322 PILING DATE: 1998-04-28 APPLICATION NUMBER: 60/083392 FILING DATE: 1998-05-06 APPLICATION NUMBER: 60/084441 FILING DATE: APPLICATION NUMBER: 60/084414 FILING DATE: 1998-05-05 APPLICATION NUMBER: 60/084366 APPLICATION NUMBER: 60/083545 APPLICATION NUMBER: 60/083499 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083496 FILING DATE: APPLICATION NUMBER: 60/082796 PILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082700 APPLICATION NUMBER: 60/082804 APPLICATION NUMBER: 60/082704 APPLICATION NUMBER: 60/082569 FILING DATE: 1998-04-21 APPLICATION NUMBER: 60/082568 APPLICATION NUMBER: 60/081838 APPLICATION NUMBER: 60/081952 FILING DATE: 1998-04-15 APPLICATION NUMBER: 60/081819 APPLICATION NUMBER: 60/081955 APPLICATION NUMBER: 60/081229 APPLICATION NUMBER: 60/081203 FILING DATE: 1998-04-08 APPLICATION NUMBER: 60/081195 APPLICATION NUMBER: 60/081071 APPLICATION NUMBER: 60/081070 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083554 FILING DATE: 1998-04-29 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083495 APPLICATION NUMBER: 60/083336 APPLICATION NUMBER: 60/082797 FILING DATE: 1998-04-21 FILING DATE: LING DATE: LING DATE: 1998-04-15 LING DATE: 1998-04-09 LING DATE: 1998-04-23 LING DATE: LING DATE: LING DATE: LING DATE: LING DATE: 1998-04-08 PLICATION NUMBER: 60/081049 LING DATE: 1998-04-LING DATE: LING DATE: DATE: 1998-04-1998-05-06 1998-04-29 1998-04-1998-04-15 1998-04-09 1998-04-08 1998-04-22 1998-04-22 1998-04-

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RESULT 13
US-09-978-189-488
                                                                                                                                            Sequence 488, Application US/0978189
Publication No. US20030004102A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
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Best Local (
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DR FILING DATE: 1998-05-15
DR APPLICATION NUMBER: 60/085573
DR FILING DATE: 1998-05-15
DR APPLICATION NUMBER: 60/085704
DR FILING DATE: 1998-05-15
DR APPLICATION NUMBER: 60/085697
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FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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FILING DATE: 1998-05-13
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FILING DATE: 1998-05-13
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APPLICATION NUMBER: 60/084643
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                                                                                       Baker Kevin P.
Botstein, David
Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                        LTBEVRLYSCTPRNFSVSTREELKRIDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL
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Fong, Sherman
Gao, Wei-Qiang
                                     Ferrara, Napoleon
Filvaroff, Ellen
                                                                          Eaton, Dan
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Pred. No. 1.8e-178;
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630PIC7: CURRENT APPLICATION NUMBER: US/09/978,189
CURRENT FILING DATE: 2001-10-15
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PRIOR FILING DATE: 1998-03-20
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PRIOR APPLICATION NUMBER: 60/077450
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION UNMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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                 APPLICATION NUMBER: 60/079920
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FILING DATE: 1998-03-27
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APPLICATION NUMBER: 60/080105
FILING DATE: 1998-03-31
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APPLICATION NUMBER: 60/079656
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FILING DATE: 1998-03-20
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Grimaldi,
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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Hillan, Kenneth J
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Margaret Ann
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APPLICATION

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R APPLICATION NUMBER: 60/085338
R FILING DATE: 1998-05-13
R APPLICATION NUMBER: 60/085323
R FILING DATE: 1998-05-13
R APPLICATION NUMBER: 60/085582
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FILING DATE: 1998-05-15
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APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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FILING DATE: 1998-05-07
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APPLICATION NUMBER: 60/084639
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                   VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG 345
                                                                                          LTEBURLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK
                                                                                                                                           LPLDLLINNAITAPSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVEGRKSRVVDLNL
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VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG
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                                                                        LTEEVRLYSCTPRNFSVSIREELKRIDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK
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Pred. No. 1.8e-178;
2; Mismatches 0;
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Gaps

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DR APPLICATION NUMBER: 60/083558
DR FILING DATE: 1998-04-29
DR APPLICATION NUMBER: 60/083559
DR FILING DATE: 1998-04-29
DR APPLICATION NUMBER: 60/083742
DR APPLICATION NUMBER: 60/083742

RESULT 14 US-09-796-753-6

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APPLICATION NUMBER: 60/083554 FILING DATE: 1998-04-29

APPLICATION NUMBER: 60/083545 FILING DATE: 1998-04-29

FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083499

FILING DATE: 1998-04-29

APPLICATION NUMBER: 60/083496 APPLICATION NUMBER: 60/083495 FILING DATE: 1998-04-29 FILING DATE: 1998-04-23 APPLICATION NUMBER: 60/083336 FILING DATE: 1998-04-27

APPLICATION NUMBER: 60/082796

1998-04-22

FILING DATE:

APPLICATION NUMBER: 60/083322

1998-04-28

FILING DATE:

APPLICATION NUMBER: 60/083392

FILING DATE: 1998-04-29

FILING DATE: 1998-04-ZZ
APPLICATION NUMBER: 60/082797

APPLICATION NUMBER: 60/082700

FILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082804 FILING DATE: 1998-04-22

APPLICATION NUMBER: 60/082704 APPLICATION NUMBER: 60/082569 FILING DATE: 1998-04-21 APPLICATION NUMBER: 60/082568 APPLICATION NUMBER: 60/081838

FILING DATE:

1998-04-21

FILING DATE: FILING DATE

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APPLICATION | FILING DATE:

NUMBER: 60/081229

1998-04-09

1998-04-09

APPLICATION NUMBER: 60/081955

1998-04-1

FILING DATE:

NUMBER: 60/081817

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1998-04-15 1998-04-1

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60/081952

1998-04-1

APPLICATION NUMBER: 60/081819

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APPLICATION NUMBER: 60/081203 APPLICATION NUMBER: 60/081195

1998-04-08

APPLICATION NUMBER: 60/081049

APPLICATION NUMBER: 60/081070 FILING DATE: 1998-04-01

1998-04-08

APPLICATION NUMBER:

FILING DATE:

1998-04-08

60/081071

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1998-04-08

APPLICATION NUMBER: 60/080334 APPLICATION NUMBER: 60/080333 APPLICATION NUMBER: 60/080328 APPLICATION NUMBER: 60/080327

FILING DATE:

1998-04-01

FILING DATE: 1998-04-01

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LING DATE: 1998-03-31

NUMBER:

60/080194

1998-03-3:

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Query Match
Best Local S
Matches 343
                                                                                                                                          SEQ ID NO 6
LENGTH: 345
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CURRENT APPLICATION NUMBER: US/09/796,753
CURRENT FILING DATE: 2001-03-01
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PRIOR FILING DATE: 1998-10-30
                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
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APPLICATION NUMBER: 09/
FILING DATE: 2000-09-30
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FILING DATE: 1998-12-30
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                                          Score 1851; DB 11;
Pred. No. 1.8e-178;
2; Mismatches 0;
                                                                    length 345;
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-608A-488
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SEQ ID NO 488
LENGTH: 345
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      Matches 343;
                    Query Match
Best Local Similarity
                                                                                                                                                                                                 FILE REFERENCE: P2630P1C22
CURRENT APPLICATION NUMBER: US/09/978,608A
                                                                                                                                                                                                                                    TITLE OF INVENTION: Secreted and Transmembrane TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                    NUMBER OF SEQ ID NOS: 624
                                                                                                                                                                                     CURRENT FILING DATE:
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Botstein, David
Desnoyers, Luc
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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Filvaroff, Ellen
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      Conservative
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                                                                                                                                                                                     2001-10-16
                  99.6%;
                                                                                                                                                 See File Wrapper or
 Score 1851; DB 11;
Pred. No. 1.8e-178;
2; Mismatches 0;
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Gaps
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Search completed: December 12, 2003, 18:58:27 Job time : 28 secs

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Result
No.
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Maximum Match 100%
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Maximum DB seg length: 2000000000
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Gapop 10:0 , Gapext 0.5
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/cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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US-09-57-066-37

US-09-457-066-37

US-09-457-066-37

US-09-564-595D-2

US-09-766-968-37

US-09-766-968-37

US-09-544-525-24-4

US-09-564-595D-53

US-09-285-385C-4

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ALIGNMENTS	US-09-341-461-30	US-09-341-461-2	US-08-839-008-9	US-08-839-008-2	US-09-285-385C-20	US-09-432-473-2	US-09-240-473-5	US-08-991-408-2	US-09-021-287-5	US-08-866-650-5	US-09-432-473-4	US-08-991-408-4	US-09-240-473-3	US-09-021-287-3	US-08-866-650-3	US-09-850-048A-4	US-08-872-757-4	US-08-936-135-6
	Sequence 30. Appl	٠	0	Sequence 2, Appli	20,	Sequence 2, Appli	5	Sequence 2, Appli	UT.	Sequence 5, Appli	Sequence 4, Appli	Sequence 4, Appli	ω,	Sequence 3, Appli	Sequence 3, Appli	Sequence 4, Appli	Sequence 4, Appli	Sequence 6, Appli

Оу 301	Qy 241 Db 241	Oy 181 Db 181	Oy 121 Db 121	Qy 61 Db 61	Οy 1 Db 1	Query Match Best Local : Matches 34	RESULT 1 US-09-457-066-43 US-09-457-066-43 ISEQUENCE 43, Applica Patent No. 6432673 GENERAL INFORMATION: APPLICANT: Gao, Zer APPLICANT: Hart, Ch APPLICANT: Sheppard APPLICANT: Sheppard APPLICANT: Gilberts APPLICANT: Gilberts APPLICANT: Gilberts APPLICANT: Hest, Ja ITILE REFERENCE: 98 CURRENT APPLICATION CURRENT FILING DATE INUMBER OF SEQ ID NO SOPTWARE: FASTSEQ f SEQ ID NO SOPTWARE: F SEQ
)1 VTKKYHEVLQLRPKTGVKGLHKSLTDVALEHHBECDCVCRGNAGG 345	LKBEVKLYSCTPRNFSVSTREBLKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPRK	LSLDLIANAVTAFSTLBELIRYLBPDRWQVDLDSLYKPTWQLLGKAFLYGKKSKVVNIAL 	GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS	PKPPHTYPRNMYLVWRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL 	1 MILLGILLLTSALAGORTGTRAESNLSSKIQLSSDKEONGVODPRHERVVTISGNGSIHS	/ Match 100.0%; Score 1848; DB 4; Length 345; Local Similarity 100.0%; Pred. No. 7.2e-195; nes 345; Conservative 0; Mismatches 0; Indels 0; Gaps	ULT 1 09-457-066-43 09-457-066-43 atent No. 6432673 ENERAL INFORMATION: APPLICANT: Hart, Charles E. APPLICANT: Piddington, Christopher S. APPLICANT: Sheppard, Paul O. APPLICANT: Sheppard, Paul O. APPLICANT: Gilbertson, Debra G. APPLICANT: West, James W. CURRENT APLICATION NUMBER: US/09/457,066 CURRENT FILING DATE: 199-12-07 NUMBER OF SEQ ID NOS: 50 SOFTWARE: FastSEQ for Windows Version 3.0 BQ ID NO 43 LENGTH: 345 TYPE: PAT ORGANISM: Mus musculus 09-457-066-43
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RESULT 2
US-09-564-595D-35
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PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 35
LENGTH: 345
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Patent No. 65200.
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PRIOR PILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
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                                                                                                                                                                   APPLICANT: Gao, Zeren APPLICANT: Hart, Cha
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                                                                PPLICANT:
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                                        ITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
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APPITCATION NUMBER: US/09/706,968
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                                                          Shoemaker, Kimberly B. Gilbertson, Debra G. West, James W.
                                                                                                                        Piddington, Chris
Sheppard, Paul O.
                                                                                                                                                                     Charles E.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No. 6391311
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TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR TITLE OF INVENTION: ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPH TITLE OF INVENTION: PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THITLE OF INVENTION: AND PROCESSES FOR THEIR PRODUCTION
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PRIOR APPLICATION NUMBER: US/09/541,
PRIOR FILING DATE: 2000-03-31
                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/040,220D CURRENT FILING DATE: 1998-03-17
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                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 8
                                                                                                                                                                                                                                 LENGTH: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Ferrara, Napoleone
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Similarity 87.0%;
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PKFPHTYPRNMVLVWRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL 120
                                                MSLFGLLLLTSALAGOROGTQAESNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHS
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Pred. No. 6.2e-175;
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Pred. No. 7.2e-195;
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PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL

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; SEQ ID NO 2; LENGTH: 345; TYPE: PRT ORGANISM: Homo sapiens US-09-457-066-2
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Best Local Similarity
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APPLICANT: Hart, Charles E.
APPLICANT: Piddington, Christopher
APPLICANT: Sheppard, Paul O.
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CURRENT FILING DATE: 1999-12-07
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Application US/09265686
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US-09-265-686-2
US-09-540-224-5
                                                                          NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/09540224 Patent No. 6468543
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CURRENT FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: US 09/040,220
PRIOR FILING DATE: 1998-03-17
PRIOR APPLICATION NUMBER: US 09/184,216
PRIOR FILING DATE: 1998-11-02
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                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/540,224
CURRENT FILING DATE: 2000-03-31
EARLIER APPLICATION NUMBER: US 60/180,169
EARLIER FILING DATE: 2000-02-04
                                                                                                                                                                                                                     APPLICANT: Gilbertson, Debra G.
APPLICANT: Hart, Charles B.
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING EVEGF4
FILE REFERENCE: 00-28
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            TYPE: PRT
ORGANISM: Homo sapiens
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TYPE: PRT
                                                           LENGTH: 345
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Kuo, Sophia S.
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Matches 300; Query Match

Match 90.2%; Local Similarity 87.0%;

Conservative.

27;

Score 1667; DB 4; Pred. No. 6.2e-175; 7; Mismatches 18;

Length 345;

Indels

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US-09-564-595D-33; Sequence 33, Application US/09564595D; Patent No. 1695668;
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CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR PILING DATE: 1999-05-03
PRIOR PILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR APPLICATION NUMBER: US 60/164,063
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR PILING DATE: 2000-02-04
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 33
LENGTH: 345
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ORGANISM: Homo sapiens
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PPLICANT: Sheppard, Paul O.
TILE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
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Sequence 57, Application US/09564595D
Patent No. 6495668
GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles B.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
PILE REFERENCE: 99-19
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US-09-706-968-2
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Best Local Similarity 87.0%;
Matches 300; Conservative 2
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Sequence 2, Appr...
Sequence 2, Appr...
Sequence 2, Appr...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 3.0
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APPLICANT: Hart, Char
APPLICANT: Piddington
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CURRENT FILING DATE: 2000-11-06
PRIOR APPLICATION NUMBER: US/09/541,752
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TYPE: PRT
ORGANISM: Homo sapiens
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TITLE OF INVENTION: GROWTH FACTOR HOMOLOG
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                                                                                                                                                                                                                             GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS 180
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                                                                                                                                                                                                                                                                                                                              PKFPHTYPRNMVLVMRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL 120
                                                                                               LKEEVKLYSCTPRNPSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPRK 300
                                                                                                                                                                        LSLDLLNNAVTAFSTLEBLIRYLEPDRWQVDLDSLYKPTWQLLGKAFLYGKKSKVVNLNL 240
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                                                                                                                                                      LPLDLLNNAITAFSTLBDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL
                                                                                                                                                                                                                                                                                                        PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL
                                                                                                                                                                                                                                                                                                                                                                                     MSLFGLLLTSALAGQRQGTQAESNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHS
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VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG
                                                                           LTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK 300
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Piddington, Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sheppard, Paul O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1667; DB 4;
Pred. No. 6.2e-175;
Pred. No. 6.2e-175;
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RESULT 11
US-09-564-595D-54
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                                                                                                             SEQ ID NO 54
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                                                                                                                        PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.
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PRIOR PILING DATE: 1999-11-10
PRIOR PPLICATION NUMBER: US 60/180,169
PRIOR PILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/564,595D CURRENT FILING DATE: 2000-05-03 PRIOR APPLICATION NUMBER: US 09/304,216 PRIOR FILING DATE: 1999-05-03
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OTHER INFORMATION: fusion polypeptide
09-564-595D-57
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TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
FILE REFERENCE: 99-19
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ORGANISM: Artificial Sequence
OTHER INFORMATION: fusion polypeptide
                                           ORGANISM: Artificial Sequence
                                                                  TYPE: PRT
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mes 216; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LGKAFLYGKKSKVVNLNLLKEEVKLYSCTPRNFSVSIRELLKRTDTIFWPGCLLVKRCGG 282
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71.3%; Pred. No. 4.5e-124;
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                                                                                                                                                               Sequence 56, Application US/09564595D Patent No. 6495668
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                                                                                                                                          GENERAL INFORMATION:
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  FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
                                                       APPLICANT: Hart, Charles E.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
                                                                                                                      APPLICANT: Gilbert,
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                                                                                                                                                                                                                                                                                                                    CCLHNCNECQCVPRKVTKKYHEVLQLRP---KTGVKGLHKSLTDVALEHHEECDCVC 339
                                                                                                                                                                                                                                                                                                                                                           AFVFGRKSR-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCILVQRCGGNCG 239
                                                                                                                                                                                                                                                                                                                                                                                                 AFLYGKKSKVVNLNLLKEEVKLYSCTPRNFSVSIRBELKRTDTIFWPGCLLVKRCGGNCA 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QVTBTTSPSVLPPSSLSLDLLNNAVTAFSTLBELIRYLEPDRWQVDLDSLYKPTWQLLGK 225
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                                                                                                                      Teresa
2000-05-03
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; Pred. No. 1.4e-123;
35; Mismatches 43;
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밁 Ś 밁 8 밁 S US-09-564-595D-56 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 56 LENGTH: 317 Matches 192; Best Local Similarity Query Match PRIOR APPLICATION NUMBER: US 09/304,216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164,463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04 NUMBER OF SEQ ID NOS: 57 ORGANISM: Artificial Sequence FEATURE: TYPE: PRT OTHER INFORMATION: fusion polypeptide 207 RWQVDLDSLYKPTWQLLGKAFLYGKKSKVVNLNLLKBEVKLYSCTPRNFSVSIRBBLKRT 266 121 DFQPAAASETNWESVTSSISGVSYNSPSVTDP-TLIADALDKKIAEFDTVEDLLKYFNPE 164 -- MPQVTETT 107 DFVEVEEPSDGSVL--GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSII- 163 61 47 ERVVTISGNGSIHSPKFPHTYPRNMYLVMRLVAVDENVRIQLTFDERFGLEDPEDDICKY 106 N DFVEVEDISETSTIIRGRWCGHKEVPPRIKSRTNQIKITFKSDDYFVAKPGPKIYYSLLE 120 DETIQVKGNGYVQSPRFPNSYPRNLLLIWRLHS-QENTRIQLVFDNQFGLEEAENDICRY 60 Conservative 56.0%; Score 1035.5; DB 4; 60.2%; Pred. No. 2e-105; tive 47; Mismarches 57; ----SPSVLPPSSLSLDLLNNAVTAFSTLEELIRYLEPD 206 Indels Length 317; 23; Gaps

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RESULT 14
US-09-457-066-37
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Sequence 37, Application US/09457066 Patent No. 6432673 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 55
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PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/180,169
PRIOR FILING DATE: 2000-02-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564,595D
CURRENT FILING DATE: 2000-05-03
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tent No. 6495668
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                                                                                                                                                                                                                                                                                      180
                                                                                                                                                                                                                                                270
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                                                                                                                                                                    327 VALЕННВЕСЬСУС 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                            106 YDFVEVEEPSDGSVLGRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSSEPGFCIHYSIIMP 165
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                                                                                                                                                                                                                                                                                    EDLENMYLDTPRYRGRSY-HDRKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVV
                                                                                                                                                                                                                                                                                                                                                          OTTRAETNWESVTSSISGVSYNSPSVTDP-TLIADALDKKIAEFDTVEDLLKYFNPESWO 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HERVVTISGNGSIHSPKFPHTYPRNMVLVWRLVAVDENVRIQLTFDERFGLEDPEDDICK 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VALEHHEECDCVCRGNAGG 345
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DTIFWPGCLLVKRCGGNCACCLHNCNECQCVPRKVTKKYHEVLQLRPKTGVKGLHKSLTD
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                                                                                                                                                                                                                                                                                                                                                                                                                                      YDFVEVEEPSDGTILGRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMP
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                                                                                                                                IQLDHHERCDCIC
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                                                                                                                                                                                                        FFPRCLLVQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 40.7%;
Best Local Similarity 45.3%;
Matches 148; Conservative 5:
Query Match 40.7%;
Best Local Similarity 45.3%;
Matches 148; Conservative 5
                                                                                                                                                       SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2, Applic
Patent No. 6468543
                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/540,224
CURRENT FILING DATE: 2000-03-31
EARLIER APPLICATION NUMBER: US 60/180,169
EARLIER FILING DATE: 2000-02-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/457,066
CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
                                                                                                                                                                       SOFTWARE: FastSEQ
                                                                                                                                                                                            NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                         FILE REFERENCE: 00-28
                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: METHODS FOR PROMOTING TITLE OF INVENTION: LIGAMENT AND CARTILAGE
                                                                                                                                                                                                                                                                                                                                               APPLICANT: Gilbertson, Debra G. APPLICANT: Hart, Charles E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Shoemaker, Kimberly E.
APPLICANT: Gilbertson, Debra G.
APPLICANT: West, James W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                             TYPE: PRT
ORGANISM: Homo
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ORGANISM: Homo
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                                                                                                                                   LENGTH: 370
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; Score 752; DB 4; Length 370; Pred. No. 4.3e-74; 59; Mismatches 92; Indels
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Pred. No. 4.3e-74;
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Search completed: December 12, 2003, 18:50:52 Job time : 16 secs

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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Maximum DB seq length: 2000000000
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Gapop 10.0 , Gapext 0.5
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1848
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1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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Copyright (c) 1993 - 2003 Compuger Ltd.
/cgn2_6/ptodata/2/pubpaa/US09E_PUBCOMB.pep:*
/cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Result No.	Score	% Query Match Length		BB	ID	Description
مر	1848	100.0	345	9	US-09-823-033-4	Sequence 4, Appli
N	1848	100.0	345	φ	US-09-818-943-2	Sequence 2, Appli
ω	1848	100.0	345	10	US-09-852-209A-7	
4	1848	100.0	345	14	US-10-139-583-43	43
υ	1848	100.0	345	15	US-10-131-600-7	
6	1848		345	15	US-10-264-361-4	Sequence 4, Appli
47	1667	90.2	345	ġ	US-09-823-033-2	٠.
8	1667	90.2	345	9	US-09-923-995-4	
9	1667	90.2	345	10	US-09-795-006A-149	Sequence 149, App
10	1667	90.2	345	10	US-09-978-295A-488	488,
11	1667	90.2	345	10	US-09-978-697-488	Sequence 488, App
. 12	1667	90.2	345	10	US-09-978-192A-488	Sequence 488, App
13	1667	90.2	345	<u>יי</u>	US-09-999-832A-488	488,
14	1667	90.2	345	11	US-09-978-189-488	Sequence 488, App
15	1667	90.2	345	11	US-09-796-753-6	Sequence 6, Appli

45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
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US-10-141-704-286	US-10-141-702-286	US-10-141-698-286	US-10-140-926-286	US-10-140-924-286	US-10-140-922-286	US-10-140-807-286	US-10-140-471-286	US-10-140-274-286	US-10-140-021-286	US-10-140-018-286	US-10-137-870-286	US-09-978-298A-488	US-09-978-188A-488	US-09-978-375A-488	US-09-978-643A-488	US-09-978-187B-488	US-09-978-757A-488	US-09-999-830A-488	US-09-978-193A-488	US-09-978-423A-488	US-09-918-585A-488	US-09-978-824-488	US-09-981-915A-488	US-09-999-833A-488	US-09-978-564A-488	US-09-978-403A-488	US-09-978-191A-488	US-09-978-585A-488	US-09-978-608A-488
			Sequence 286,		Sequence 286,	æ		Ф	Sequence 286,										Sequence 488,							œ		Sequence 488,	Sequence 488,
App	, App	, App	, App	•	•	•	•	•	•	•	, App	, App	App	, App	App	App	App	, App	App	App	App	App	App	App	App	, App	, App	, App	, App

ALIGNMENTS

240	181 LSLDLLNNAVTAPSTLEELIRYLEEDRWQVDLDSLYKPTWQLLGKAPLYGKKSKVVNLNL	S
180	121 GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS	日
180	121 GRWCGSGTVPGKQTSKGNHIRIRFVSDBYFPSBPGFCIHYSIIMPQVTBTTSPSVLPPSS	S
120	61 PKPPHTYPRNMVLVMRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL	밁
120	61 PKFPHTYPRNWYLVWRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVBVBEPSDGSVL	8
60	1 MLLIGLLLITSALAGORTGTRABSNLSSKLQLSSDKBQNGVQDPRHERVVTISGNGSIHS	DЬ
60	1 MLLIGLILITSALAGORTGTRAESNLSSKLOLSSDKEONGVODPRHERVVTISGNGSIHS	Ş
. 0 ;	Query Match 100.0%; Score 1848; DB 9; Length 345; Best Local Similarity 100.0%; Pred. No. 6.8e-174; Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps	
	; ORGANISM: Mus musculus US-09-823-033-4	g
	TYPR: PRT	
	SOPTWARE: FastSEQ for Windows Version 3.0	
	NUMBER OF SEQ ID NOS: 5	
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	TITLE OF INVENTION: LIGAMENT AND CARTILAGE	
	TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,	
	APPLICANT: Hart, Charles B.	
	GENERAL INFORMATION:	
	Sequence 4, Application US/09823033	٠.
	VS-09-823-033-4	9 2
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APPLICATION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWT TITLE OF INVENTION: (NOGF-C) AND USES THEREOF FILE REFERENCE: 1064/49487

CURRENT PILING DATE: 2001-03-28

PRIOR APPLICATION NUMBER: US 60/192,507

PRIOR FILING DATE: 2000-03-28

NUMBER: OF SEQ ID NOS: 7

SOPTMARE: Patentin version 3.0

SEQ ID NO 2

LENGTH: 345

TYPE: PAT

ORGANISM: Murinae gen. sp.
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                                                                                                                       RESULT 3
US-09-852-209A-7
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                                                              Sequence 7, Application US/09852209A Patent No. US20020164687A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/09818943 Patent No. US20020049987A1
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  APPLICANT: ERIKSSON, Ulf
APPLICANT: AASE, Karin
APPLICANT: 'FE, Xuri
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AASE, Karin
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Pred. No. 6.8e-174;
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                                                                                                                                                                                                                     Sequence 43, Application US/10139583 Publication No. US20020177193A1
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Best Local Similarity
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PRIOR FILING DATE: 1999-05-21
PRIOR APPLICATION NUMBER: 60/144,022
PRIOR FILING DATE: 1999-07-15
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CURRENT APPLICATION NUMBER: US/10/139,583
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PRIOR FILING DATE: 1998-12-18
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PRIOR FILING DATE: 1998-12-03
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                    TITLE OF INVENTION: GROWTH FACTOR HOMOLOG
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                                                                         Hart, Charles E.
Piddington, Christopher S.
Sheppard, Paul O.
Shoemaker, Kimberly E.
Gilbertson, Debra G.
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BETSHOLTZ, Christer
                                                        West, James W.
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Pred. No. 6.8e-174;
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APPLICANT: ALITALÓ, KARÍ
APPLICANT: OESTMAN, ARTE
APPLICANT: HELDIN, CARI-Henrik
APPLICANT: BETSHOLTZ, Christer
TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR C,
TITLE OF INVENTION: THEREFOR, AND USES THEREOF
FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
CURRENT APPLICATION NUMBER: US/10/131,600
CURRENT PILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US/09/410,349
PRIOR FILING DATE: 1999-09-30
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Best Local Similarity
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PRIOR APPLICATION NUMBER: 09/457,066.
PRIOR FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 43
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PRIOR APPLICATION NUMBER: 60/110,749
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                                                                                                APPLICATION NUMBER: 60/135,426
                                                                                                                                   APPLICATION NUMBER: 60/113,002
                                                            APPLICATION NUMBER: 60/144,022
                                                                                FILING DATE: 1999-05-21
                                                                                                                     FILING DATE: 1998-12-18
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UUTBLA, Marko
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ORGANISM: Murinae
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181 LSLDILANNAVTAFSTLEELIRYLEEDRWQVDLDSLYKPTWOLLGKAFLYGKKSKVVVNLAIL
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Sequence 4, Application US/10264361
Publication No. US20030087870A1
GENERAL INFORMATION:
APPLICANT: Gilbertson, Debra G.
TITLE OF INVENTION: METHOD OF TREATING FIBROSIS
FILE REFERENCE: 00-53
                                                                                                                                                                                                                                                                                              CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: US/09/695,121
PRIOR FILING DATE: 2000-10-23
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3
                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/264,361 CURRENT FILING DATE: 2002-10-03
MLLIGILLITSALAGQRTGTRABSNISSKLQLSSDKEQNGVQDPRHERVVTISGNGSIHS
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100.0%; Pred. No. 6.8e-174;
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APPLICANT: Hart, Charles E.
APPLICANT: Gilbertson, Debra G.
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
TITLE OF INVENTION: LIGAMENT AND CARTILAGE
                                                                                                                 GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SNAKE VENOM POLYPEPTIDE
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CURRENT FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
                                                                                                                                                                                     Sequence 4, Application US/09923995 Patent No. US20020081700A1
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TYPE: PRT
ORGANISM: Homo sapiens
-09-823-033-2
PILE REFERENCE: 00-47
CURRENT APPLICATION NUMBER: US/09/923,995
CURRENT FILING DATE: 2001-08-07
PRIOR APPLICATION NUMBER: US 60/223,164
PRIOR FILING DATE: 2000-08-07
NUMBER OF SFO ID NOS: 7
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Pred. No. 5.2e-156;
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; ORGANISM: Homo sapiens
US-09-923-995-4
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US-09-795-006A-149
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 149
LENGTH: 345
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                                                                                                                                                                                                                                          Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Alitalo et al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 149, Application Patent No. US20020151680A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches 300;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/795,006A CURRENT FILING DATE: 2001-02-26 PRIOR APPLICATION NUMBER: US 60/205,331 PRIOR FILING DATE: 2000-05-18 PRIOR APPLICATION NUMBER: US 60/185,205 PRIOR APPLICATION NUMBER: US 60/185,205 PRIOR FILING DATE: 2000-02-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR TITLE OF INVENTION: ENDOTHELIAL GROWTH FACTOR DNAB AND PROTEINS FILE REFERENCE: 28967/35977B
                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
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121 GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS 180
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                                                                                                                                                             MLLIGLILLTSALAGORTGTRAESNLSSKLQLSSDKEONGVODPRHERVVTISGNGSIHS
                                                                                                                                        MSLFGLLLLTSALAGOROGTOAESNLSSKFQFSSNKEQNGVODPOHERIITVSTNGSIHS
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                                                                                                                                                                                                                                      90.2%; Score 1667; DB 10; 87.0%; Pred. No. 5.2e-156;
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Pred. No. 5.2e-15
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RESULT 10
US-09-978-295A-488
; Sequence 488, Application US/09978295A
; Patent No. US20020156006A1
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NPPLICANT: Wood, William I.
NITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
NITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: P2630PlC11
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URRENT FILING DATE: 2001-10-15
RIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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                                                       FILING DATE: 1998-U3-L1
APPLICATION NUMBER: 60/077641
TTING DATE: 1998-03-11
TTING DATE: 1998-03-1649
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FILING DATE: 1997-11-13
     APPLICATION NUMBER: 60/077791
FILING DATE: 1998-03-12
                                                                                                                 APPLICATION NUMBER: 60/077632
                                                                                                                                        FILING DATE:
                                                                                                                                                    APPLICATION NUMBER: 60/077450
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                                     FILING DATE:
                                                     APPLICATION NUMBER: 60/077649
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Shelton, David L.
Stewart, Timothy A.
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Williams, P. Mickey
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Grimaldi, J. Christopher
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Gerritsen, Mary B
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Filvaroff, Ellen
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Botstein, David
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nicholas P.
                                     1998-03-11
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FILING DATE: 1998-0 APPLICATION NUMBER:
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                               APPLICATION NUMBER: 60/082704
                                                              APPLICATION NUMBER: 60/082569
                                                                                 FILING DATE: 1998-04-2
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FILING DATE: 1998-04-15
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FILING DATE: 1998-04-01
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APPLICATION NUMBER: 60/083322
FILING DATE: 1998-04-28
APPLICATION NUMBER: 60/083392
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FILING DATE: 1998-04-29
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APPLICATION NUMBER: 60/083496
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APPLICATION NUMBER: 60/082796
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APPLICATION NUMBER: 60/083559
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APPLICATION NUMBER: 60/085697
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FILING DATE: 1998-05-15
                                                                                        FILING DATE: 1998-05-15
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Query Match

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Score 1667;

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Length 345;

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RESULT 11
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                                                                                 APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: PEGSOPIC27
CURRENT APPLICATION NUMBER: US/09/978,697
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
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PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
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                                                                                                                                                                                                                                                                           Roy, Margaret Ann
Shelton, David L.
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Desnoyers, Luc
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Filvaroff, Ellen
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Sophia S.
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7; Mismatches 18;
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APPLICATION NUMBER: 60/079920

60/079786

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FILING DATE: 1998-03-27

PILING DATE: 1998-03-25 APPLICATION NUMBER: 60/079656 APPLICATION NUMBER: 60/079294

FILING DATE: 1998-03-20

FILING DATE:

1998-03-26

FILING DATE:

1998-03-27

FILING DATE: 1998-03-20 APPLICATION NUMBER: 60/078910 APPLICATION NUMBER: 60/078936 PILING DATE: 1998-03-13
APPLICATION NUMBER: 60/078886 APPLICATION NUMBER: 60/078004

1998-03-20

60/078939

FILING DATE:

1998-03-20

PILING DATE: 1998-03-11 APPLICATION NUMBER: 60/077649

APPLICATION NUMBER: 60/077641

FILING DATE:

FILING DATE:

1998-03-11

APPLICATION NUMBER: 60/077791

1998-03-1

APPLICATION NUMBER: 60/077632 FILING DATE: 1998-03-11

APPLICATION NUMBER: 60/066364 FILING DATE: 1997-11-21

NUMBER: 60/077450

1998-03-10

PILING DATE: 1998-04-09
APPLICATION NUMBER: 60/081229

FILING DATE: 1998-04-09

APPLICATION NUMBER: 60/081203

FILING DATE:

APPLICATION NUMBER: 60/081195

1998-04-08

APPLICATION NUMBER: 60/081071

FILING DATE:

FILING DATE: FILING DATE:

NUMBER: 60/081049

1998-04-08

1998-04-08

60/081070

APPLICATION NUMBER: 60/081955 FILING DATE: 1998-04-15

APPLICATION NUMBER: 60/081817 FILING DATE: 1998-04-15

APPLICATION NUMBER: 60/080334 FILING DATE: 1998-04-01

APPLICATION NUMBER:

FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/080328

APPLICATION NUMBER: 60/080327

APPLICATION NUMBER: 60/080194

LING DATE: 1998-03-31

APPLICATION NUMBER: 60/080165

1998-03-31

TLING DATE: 1998-03-31

FILING DATE:

APPLICATION NUMBER: 60/080107 APPLICATION NUMBER: 60/080105 APPLICATION NUMBER: 60/079923

1998-03-31

FILING DATE FILING DATE:

PILING DATE: 1998-04-01 APPLICATION NUMBER: 60/080333

LING DATE: 1998-04-01

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085573
PILING DATE: 1998-05-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MLLLGLLLLTSALAGORTGTRAESNLSSKLQLSSDKEQN3VQDPRHERVVTISGNGSIHS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PREPHTYPRINTVLVWRLVAVBENVWIQLTEDEREGLEDPEDDICKYDEVEEPSDGTIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LKEEVKLYSCTPRNFSVSIRBELKRTDTIFWPGCLLVKR(XGNCACCLHNCNECQCVPRK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LSLDLLANNAVTAFSTLEBLIRYLEPDRWQVDLDSLYKPTHQLLGKAFLYGKKSKVVNIAIL
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                                          Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
                                                                                                                                                                                        Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
                                                                                                                                                                                                                                                          Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                        Filvaroff, Ellen
Tumas, Daniel
Williams, P. Mickey
Wood, William I.
                                                                                             Pan, James;
Paoni, Nicholas P
                                                                                                                                           Kljavin, Ivar J.
Kuo, Sophia S.
                                                                                                                                                                                                                                           Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                           Baton, Dan
                                                                                                                                                                                                                                                                                                                                                                                   Botstein, David
                                                                                                                          Napier, Mary A.
                                                                                                                                                                            Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                        Fong,
                                                                                                                                                                                                                                                                                                                                                                       Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                         Baker Kevin P.
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C9
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FILING DATE: 1998-03-13
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APPLICATION NUMBER: 60/077791
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 09/918585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
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APPLICATION NUMBER: 60/080334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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NUMBER: 60/081049
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APPLICATION NUMBER: 60/084640 FILING DATE: 1998-05-07 APPLICATION NUMBER: 60/084598
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FILING DATE: 1998-05-07
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APPLICATION NUMBER: 60/084637
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FILING DATE: 1998-04-15
                                                                                                                                                  APPLICATION NUMBER: 60/084441
                                                                                                                                                                                  APPLICATION NUMBER: 60/084414
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APPLICATION NUMBER: 60/085704
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APPLICATION NUMBER: 60/080165 FILING DATE: 1998-03-31 APPLICATION NUMBER: 60/080194
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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FILING DATE: 1998-04-30 APPLICATION NUMBER: 60/084366 FILING DATE: 1998-05-05 APPLICATION NUMBER: 60/083742 APPLICATION NUMBER: 60/083392 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/081049 FILING DATE: 1998-04-08 APPLICATION NUMBER: 60/081070 APPLICATION NUMBER: 60/083500 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083558 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083496 APPLICATION NUMBER: 60/082797 APPLICATION NUMBER: 60/082569 APPLICATION NUMBER: 60/081819 APPLICATION NUMBER: 60/081817 FILING DATE: 1998-04-09 APPLICATION NUMBER: 60/081229 APPLICATION NUMBER: 60/081071 APPLICATION NUMBER: 60/080334 APPLICATION NUMBER: 60/080333 FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080327 FILING DATE: FILING DATE: APPLICATION NUMBER: 60/083559 FILING DATE: APPLICATION NUMBER: 60/083554 APPLICATION NUMBER: 60/083545 APPLICATION NUMBER: 60/083499 PILING DATE: APPLICATION NUMBER: 60/083495 FILING DATE: 1998-04-28 APPLICATION NUMBER: 60/083322 FILING DATE: APPLICATION NUMBER: 60/083336 FILING DATE: APPLICATION NUMBER: 60/082796 FILING DATE: 1998-04-2 APPLICATION NUMBER: 60/082700 APPLICATION NUMBER: 60/082704 FILING DATE: APPLICATION NUMBER: 60/082568 FILING DATE: 1998-04-1 APPLICATION NUMBER: 60/081838 APPLICATION NUMBER: 60/081952 FILING DATE: 1998-04-15 FILING DATE: 1998-04-15 FILING DATE: APPLICATION NUMBER: 60/081955 FILING DATE: 1998-04-09 APPLICATION NUMBER: 60/081203 APPLICATION NUMBER: 60/081195 FILING DATE: 1998-04-0: FILING DATE: APPLICATION NUMBER: 60/080328 FILING DATE: 1998-04-29 FILING DATE: FILING DATE: 1998-04-08 LING DATE: 1998-04-LING DATE: 1998-04-15 LING DATE: 1998-04-08 LING DATE: LING DATE: 1998-04-22 LING DATE: 1998-04-0 PLICATION NUMBER: 60/082804 LING DATE: 1998-04-2 LING DATE: 1998-04-08 1998-04-29 1998-04-29 1998-04-1998-04-29 1998-04-27 1998-04-23 1998-04-2 1998-04-21 1998-04-1998-04-29 60/084414

Baker Kevin P.

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APPLICATION NUMBER: 60/084598
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APPLICATION NUMBER: 60/085580
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FILING DATE: 1998-05-15
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                                                                                                                                                                                                           GRWCGSGTVPGKQ18KGNQ1R1RFVSDEYFPSEPGFC1HYN1VMPQFTEAVSPSVLPPSA
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                  VTKKYHEVLQLRPKTGVKGLHKSLTDVALEHHEECDCVCR(:NAGG 345
                                                               LTESVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCJGNCACCLHNCNECQCVPSK
                                                                                              LKBEVKLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRC3GNCACCLHNCNECQCVPRK 300
                                                                                                                                       LPLDLLNNAITAPSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGRKSRVVDLNL
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VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEBCDCVCRGSTGG
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US-09-978-189-488; Sequence 488, Application US/09978189; Publication No. US20030004102A1; GENERAL INFORMATION:

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CURRENT APPLICATION NUMBER: US/09/978,189
CURRENT FILING DATE: 2001-10-15
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/662250
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ITTLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Polypeptides Polypeptides And Nucleic Polypeptides Polype
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APPLICATION NUMBER: 60/077632
FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/077641
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PILING DATE: 1998-03
APPLICATION NUMBER:
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FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/078936
FILING DATE: 1998-03-20
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FILING DATE: 1997-11-03
APPLICATION NUMBER: 60/065311
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APPLICATION NUMBER: 60/077791
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APPLICATION NUMBER: 60/077649
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FILING DATE: 1997-11-21
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Desnoyers, Luc
Eaton, Dan
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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Gerritsen, Mary B.
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Filvaroff, Ellen
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NUMBER: 60/079728
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APPLICATION NUMBER: 60/079786 FILING DATE: 1998-03-27

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APPLICATION NUMBER: 60/079923

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PILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080165

APPLICATION NUMBER: 60/080107 APPLICATION NUMBER: 60/080105

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APPLICATION NUMBER: 60/080333 APPLICATION NUMBER: 60/080328 APPLICATION NUMBER: 60/080327 APPLICATION NUMBER: 60/080194

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APPLICATION NUMBER: 60/083559
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241 LKEEVKLYSCTPRNFSVSIREELKRTDTIFWFGCLLVKRCGGNCACCLHNCNECQCVPRK 300
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                                     GRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMPQFTEAVSPSVLPPSA
                                                                                                       GRWCGSGTVPGKQTSKGNHIRIREVSDEYEPSEPGFCIHYSIIMPQVTETTSPSVLPPSS 180
                                                                                                                                          PKFPHTYPRNMVLVMRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL 120
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Pred. No. 5.2e-156;
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APPLICATION NUMBER: 60/081071 FILING DATE: 1998-04-08 APPLICATION NUMBER: 60/081195

APPLICATION NUMBER: 60/081049 APPLICATION NUMBER: 60/081070 APPLICATION NUMBER: 60/080334 FILING DATE: 1998-04-01

1998-04-08

FILING DATE: 1998-04-08

FILING DATE:

PILING DATE: 1998-04-15
APPLICATION NUMBER: 60/081819

APPLICATION NUMBER: 60/081955 FILING DATE: 1998-04-15

APPLICATION NUMBER: 60/081817

FILING DATE: 1998-04-09
APPLICATION NUMBER: 60/081229

FILING DATE: 1998-04-09

APPLICATION NUMBER: 60/081203 FILING DATE: 1998-04-08

FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083495 FILING DATE: 1998-04-29

APPLICATION NUMBER: 60/083496

1998-04-29

APPLICATION NUMBER: 60/083499 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083545

NUMBER: 60/083545 : 1998-04-29

APPLICATION NUMBER: 60/083336 FILING DATE: 1998-04-27 APPLICATION NUMBER: 60/083322

PILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082796

APPLICATION NUMBER: 60/082797

1998-04-22

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240 240 FILING DATE:

1998-04-23

FILING DATE:

PILING DATE: 1998-04-22
APPLICATION NUMBER: 60/082700

APPLICATION NUMBER: 60/082804

FILING DATE:

APPLICATION NUMBER: 60/082704

1998-04-22

APPLICATION NUMBER: 60/082569 APPLICATION NUMBER: 60/082568 APPLICATION NUMBER: 60/081838

FILING DATE: 1998-04-21

FILING DATE:

1998-04-21

FILING DATE: 1998-04-15

FILING DATE:

APPLICATION NUMBER: 60/081952 FILING DATE: 1998-04-15

1998-04-15

FILING DATE: 1998-04-28
APPLICATION NUMBER: 60/083392

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RESULT 15
US-09-796-753-6
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SEQ ID NO 6
LENGTH: 345
TYPE: PRT
                                                           PRIOR APPLICATION NUMBER: 09/677,751
PRIOR FILING DATE: 2000-09-30
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URRENT FILING DATE: 2001-03-01
URRENT FILING DATE: 09/183,175
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; ORGANISM: Homo sapiens US-09-796-753-6

Matches 300; Conservative Query Match Best Local Similarity 181 301 121 121 GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS 180 241 241 181 61 61 PKFPHTYPRNMVLVWRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVBVEBPSDGSVL 120 1 MLLLGLLLLTSALAGORTGTRAESNLSSKLQLSSDKEQNGVQDPRHERVVTISGNGSIHS VTKKYHEVLQLRPKTGVKGLHKSLTDVALEHHEECDCVCRGNAGG 345 LKBEVKLYSCTPRNESVSIREBLKRTDTIFWPGCLLVKRCGGNCACCLHNCNBCQCVPRK 300 LSLDLLANNAVTAFSTLEELIRYLEPDRWQVDLDSLYKPTWQLLGKAFLYGKKSKVVNLNL MSLFGLLLLTSALAGQRQGTQAESNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHS LTEEVRLYSCTPRNFSVSIREELKRIDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK 300 GRWCGSGTVPGKQISKGNQIRIRFVSDEYFPSBPGFCIHYNIVMPQFTEAVSPSVLPPSA 180 PRFPHTYPRNTVLVWRLVAVBENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL 120 90.2**%**; 87.0**%**; ;; Score 1667; DB 11; ;; Pred. No. 5.2e-156; 27; Mismatches 18; Indels Length Gaps 240 240 6 60 ,

Search completed: December 12, 2003, 18:58:28 Job time : 28 secs

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